

ON-DEMAND MEMORY MANAGEMENT

ABSTRACT OF THE DISCLOSURE

Systems and methods for providing on-demand memory management. In response to a mapping request from a device driver or other program, a first portion of the memory is mapped to one or more virtual addresses in a first region of a virtual memory space so that it can be directly accessed by the CPU. In response to an unmapping request the first portion of the memory is unmapped. Mapping and unmapping requests may be made at any time.

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